# BRIDGE 25 WASHINGTON POP. 9,139 VICINITY MAP

# INDEX OF SHEETS

**DESCRIPTION** 

SHEET NUMBER

TITLE SHEETS

1

STRUCTURE SHEETS

S-1 THRU S-12

TRAFFIC CONTROL PLANS

TMP-1 THRU TMP-11

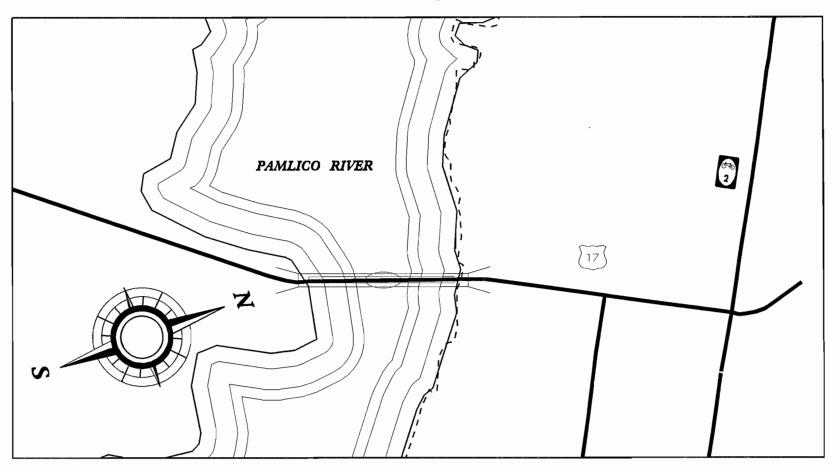
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.				TOTAL
N.C.	17BP.2.P.12			1	25
STATE PE	OT MO	F. A. PROS. NO.		DESCRIPTER	
17BP.2.	P.12			P.E.	
17BP.2.	P.12			CONST	<b>7.</b>

## BEAUFORT COUNTY

LOCATION: BRIDGE #25, ON US17 ACROSS PAMLICO RIVER

TYPE OF WORK: BRIDGE PRESERVATION, CLEANING & PAINTING OF EXISTING BRIDGE, REPAIRS TO SUPERSTRUCTURE, CONCRETE REPAIRS & SHOTCRETE REPAIRS.





DESIGN DATA

BEAUFORT #25 :

ADT 2009 = 18000

PROJECT LENGTH

BRIDGE BEAUFORT #25 = .232 MILE

Prepared In the Office of:

# DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

STRUCTURES MANAGEMENT UNIT - PRESERVATION & REPAIR GROUP
1000 BIRCH RIDGE DR. RALEIGH, N.C. 27610

RICK NELSON, P.E.

2012 STANDARD SPECIFICATIONS

LETTING DATE:
AUGUST 22, 2012



61'-3" -CONCRETE DIAPHRAGM BENT CONCRETE BENT DIAPHRAGM 4'-71/2" 8'-0" 4'-11/2" **€** BEAM € BEAM 2 € BEAM 3 © BEAM 4 C DECK BEAM 5 C DECK BEAM 6 € DECK BEAM 7 C DECK BEAM 8

TYPICAL SECTION SPANS 1 - 21 AND 27 -34

61'-3" CONCRETE BENT CONCRETE BENT DIAPHRAGM DIAPHRAGM 4'-71/2' 8'-0" 8'-0" 5'-0" 4'-71/2" C BEAM 1 C BEAM 2 C BEAM 6 C BEAM 7 **€** BEAM 8 € BEAM 3 C BEAM 4 © BEAM 5

> TYPICAL SECTION SPANS 22 AND 26

GENERAL NOTES:

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS, ANY COST RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THIS PROJECT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL OSHA AND STATE SAFETY REQUIREMENTS.

DIMENSIONS IN THESE PLANS ARE BASED ON ORIGINAL PLANS, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK.

EXISTING BRIDGE AND REPAIR DETAILS INDICATED ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE AND REPAIR DETAILS SHOWN ON THE PLANS AND THE ACTUAL CONDITION ON THE SITE.

WORK ON THIS BRIDGE SHALL BE PREFORMED SO AS NOT TO ALLOW DEBRIS TO FALL BELOW. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION ACCESS IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.

ALL VISUAL AND NON-DESTRUCTIVE TESTING WILL BE PERFORMED BY NCDOT.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR HANDLING OF BRIDGE WASH WATER, SEE SPECIAL PROVISIONS.

JACKING NOTES:

THE CONTRACTOR SHALL SUBMIT JACKING PLANS AND CALCULATIONS FOR REVIEW AND APPROVAL PRIOR TO TO MATERIAL PURCHASE OR FABRICATION OF THE JACKING SYSTEM.

BEFORE THE JACKING OPERATION BEGINS, THE ONE BAR METAL RAIL SHALL BE DISCONNECTED IN ORDER TO AVOID DAMAGE TO THE RAILING SYSTEM.

EXCEPT AT BENT 21, THE CONTRACTOR MAY ELECT TO JACK ONLY THE THE OUTSIDE GIRDERS PROVIDED THE NUTS ON THE REST OF THE STEEL GIRDERS AT THE BENT ARE LOOSENED TO PREVENT DAMAGE TO THE CONCRETE DECK.

AT BENT 21, THE CONTRACTOR SHALL JACK ALL GIRDERS ALONG THE BEARING LINE SIMULTANEOUSLY, JACKING HEIGHT SHOULD BE LIMITED TO THAT REOUIRED TO CLEAR THE BEARINGS IN ORDER TO PREVENT DAMAGE AT THE DIAPHRAGM AT BENT 22.

THE EXISTING CONDITION OF THE CONCRETE CAP AND CONCRETE DIAPHRAGM AT BENT \*21 IS SUCH THAT JACKING FROM ABOVE UTILIZING A CARRIER BEAM TYPE FRAME MAY BE THE BEST POSSIBLE METHOD. A BRIDGE CLOSURE PERIOD HAS BEEN PROVIDED SPECIFICALLY FOR THIS REPAIR. SEE THE TRAFFIC MANAGEMENT PLANS.

ALL JACKING SHALL BE ACCOMPLISHED BY MEANS OF A DUAL-FLOW PRESSURIZED PUMP CONTROLLING THE JACKS.

THE SPAN SHALL BE LIFTED ENOUGH THAT THE BEAMS CLEAR THE BEARINGS AND ALL LOAD IS SUPPORTED BY THE JACKS. AFTER JACKING IS COMPLETE THE CONTRACTOR SHALL PROVIDE A METHOD TO SUPPORT THE SPAN FOR DEAD AND LIVE LOADS AND REMOVE THE JACKS DURING BEAM REPAIR OR IF JACKS REMAIN IN PLACE DURING THE ENTIRE JACKING AND REPAIR OPERATION IT SHALL HAVE MECHANICAL LOCK OFF CAPABILITIES.

IF DURING THE JACKING PROCESS OR WHILE THE SPAN IS BEING SUPPORTED THE BEAMS SHIFT FROM THEIR ORIGINAL POSTION, ALL WORK WILL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

PRIOR TO JACKING, THE CONTRACTOR SHALL ENSURE THERE ARE NO OBSTACLES PREVENTING THE SPAN FROM BEING LIFTED.

ALL ADJACENT BEARINGS OF BEAMS NOT BEING JACKED MAY BE LOOSEN TO DECREASE THE RESISTANCE OF THE DECK SLAB DURING JACKING. ALL BEARINGS LOOSEN SHALL BE TIGHTEN BACK AFTER THE BEAMS ARE REPAIRED AND THE JACKS AND BLOCKING HAVE BEEN REMOVED.

PAYMENT OF INDIVIDUAL BEAM JACKING WILL BE MADE AT THE UNIT PRICE BID FOR BEAM JACKING. SUCH PRICE WILL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT TOOLS, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AT EACH JACKING LOCATION.

PAYMENT OF SPAN BEAM JACKING AT BENT \*21 WILL BE MADE AT THE LUMP SUM PRICE BID FOR SPAN JACKING. SUCH PRICE WILL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

SERVICE REACTIONS PER BEARING

19.0 KIPS 47.0 KIPS 66.0 KIPS LIVE LOAD + IMPACT: TOTAL:

NOTE: JACKS SHALL HAVE A MINIMUM SAFE LOAD OF 125% OF THE SERVICE LOADS SPECIFIED.

ΒI MATERTAL 0F STRUCTURAL CLEANING & REPAINTING POLLUTION CONTROL SPAN JACKING BRIDGE #25 BEAM JACKING BRIDGE #25 BEARING SHOTCRETE REPAIRS CONCRETE REPAIRS STRUCTURAL STEEL FOR SIRDER REPAIR REPLACEMENT OF BRIDGE #25 STEEL BRIDGE #25 LUMP SUM LBS. APPROX. I BS LUMP SUM LUMP SUM EA. EA. C.F. C.F. LUMP SUM LUMP SUM LUMP SUM 876 10 46 10 552

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PAINTING OF EXISTING STRUCTURES, SEE SPECIAL PROVISIONS.

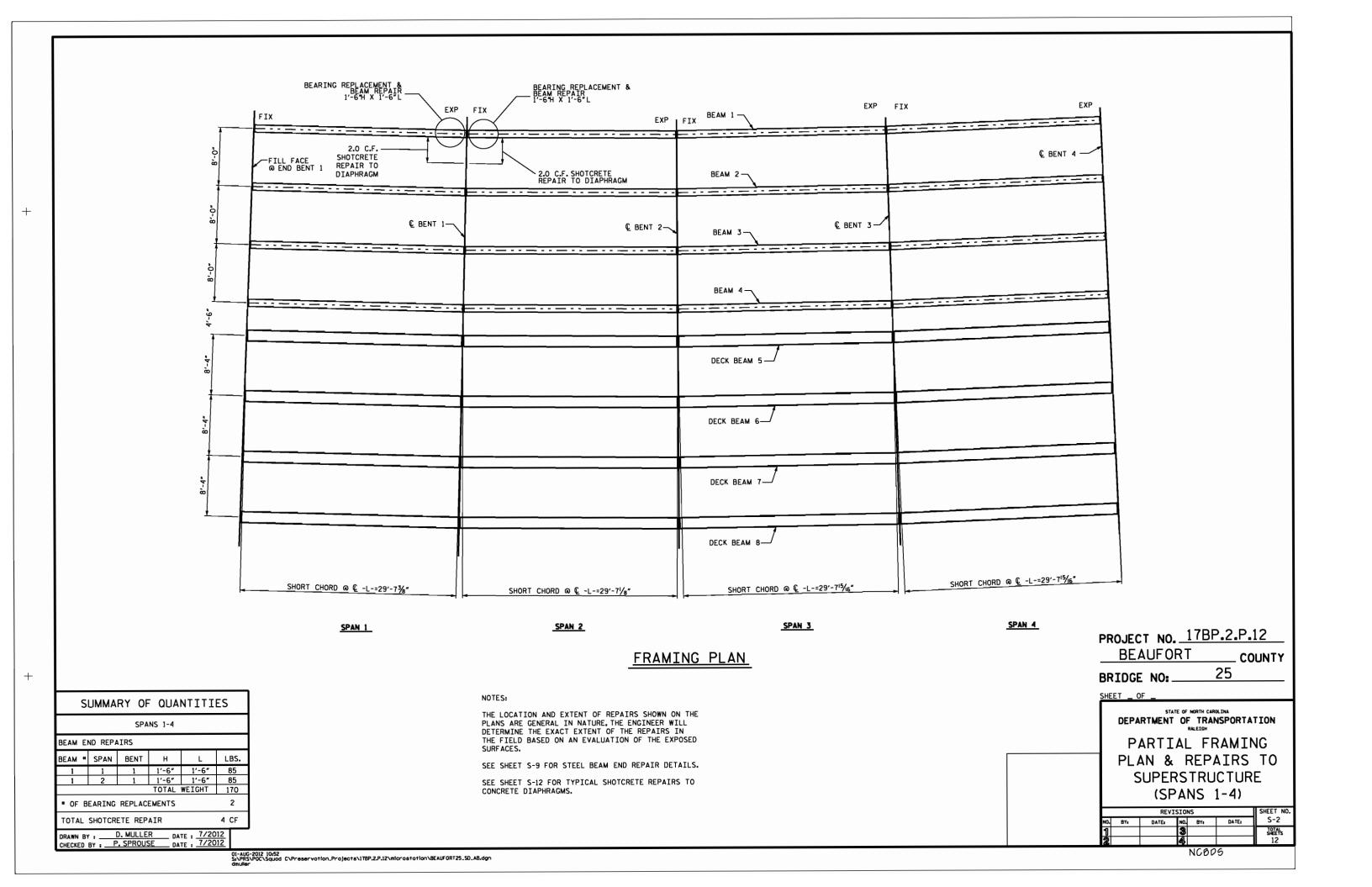
17BP.2.P.12 PROJECT NO. BEAUFORT COUNTY 25 BRIDGE NO:

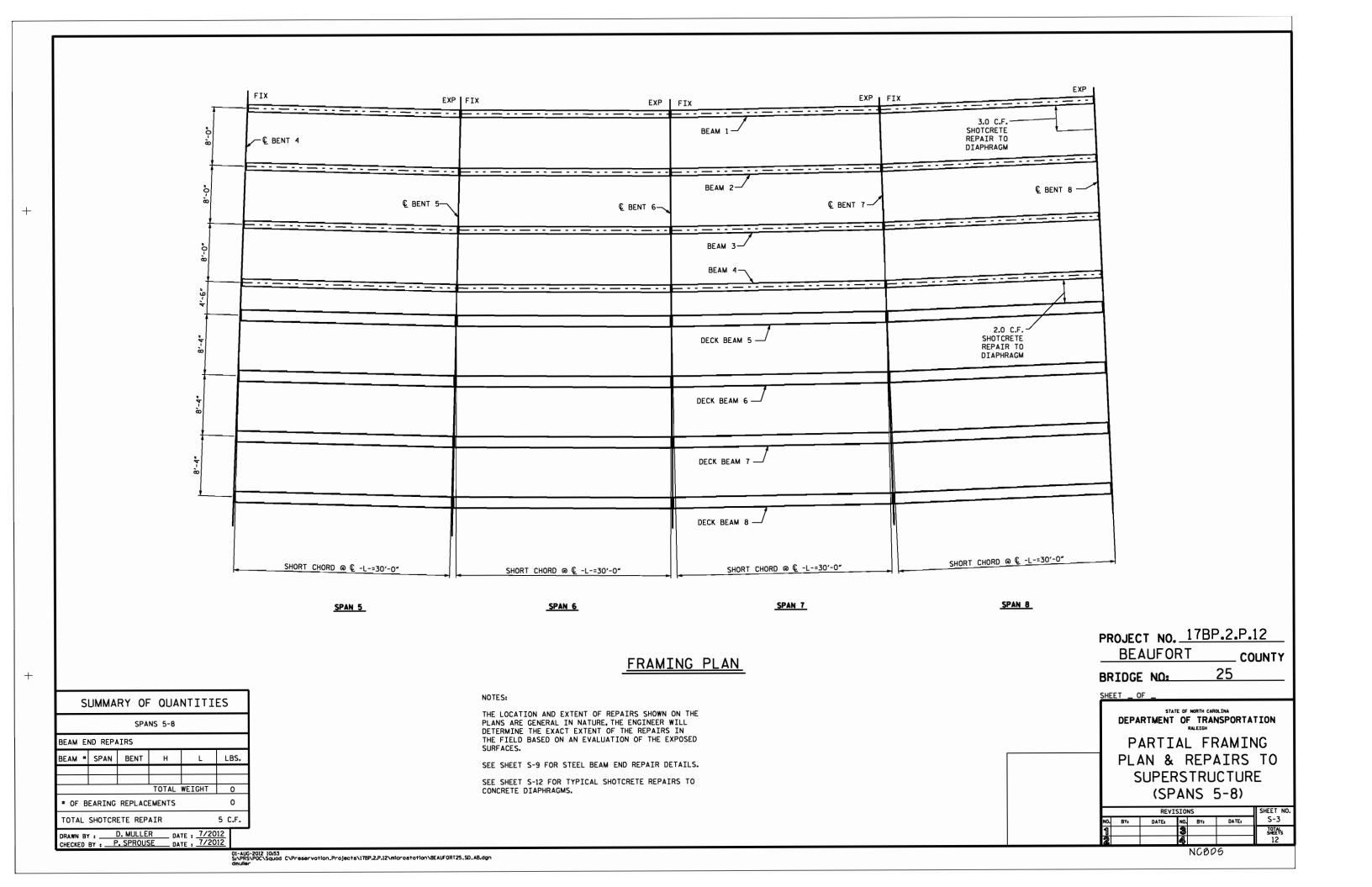
STATE OF NORTH CAROLIN. DEPARTMENT OF TRANSPORTATION

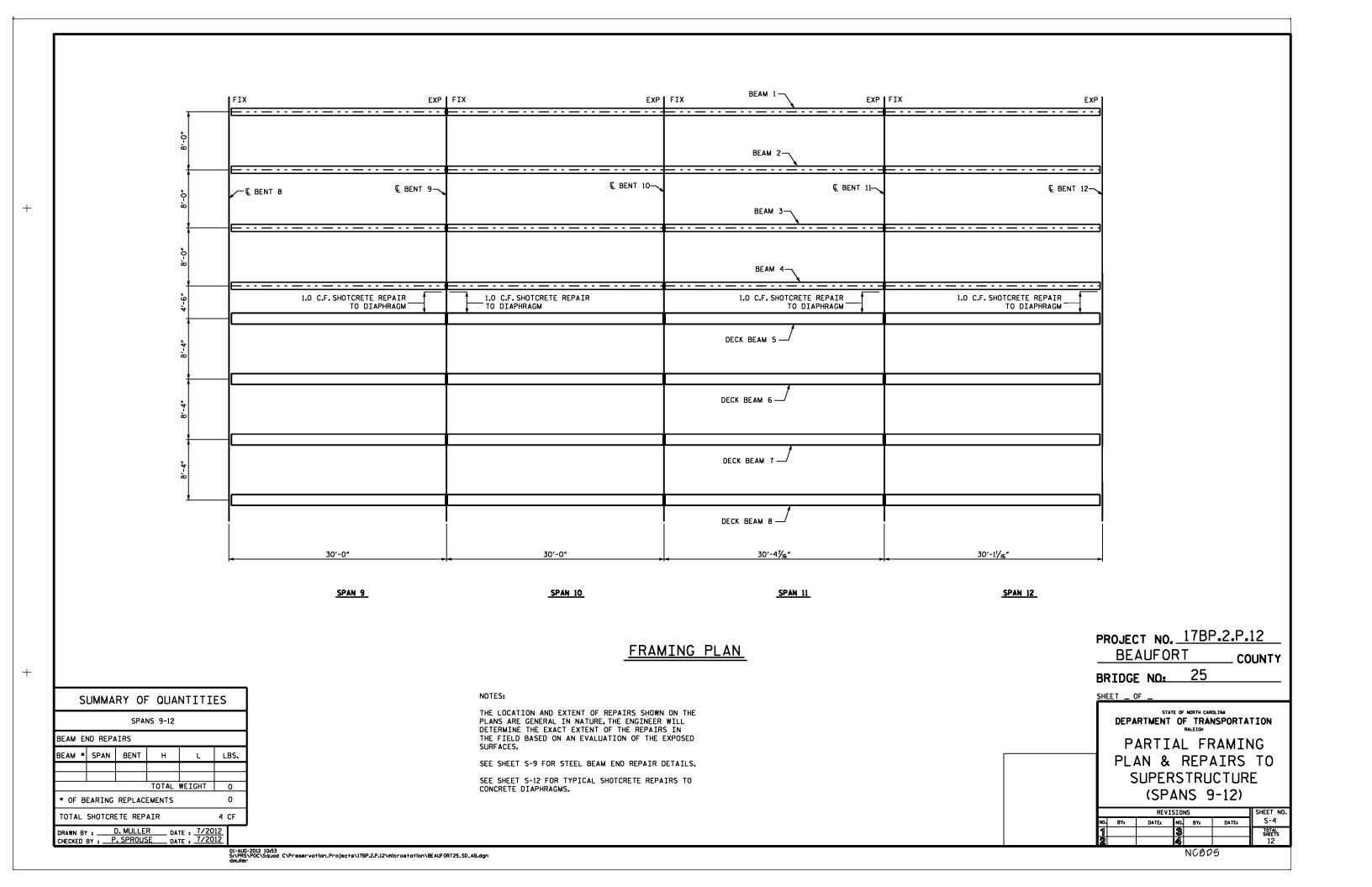
TYPICAL SECTION, NOTES AND BILL OF MATERIAL

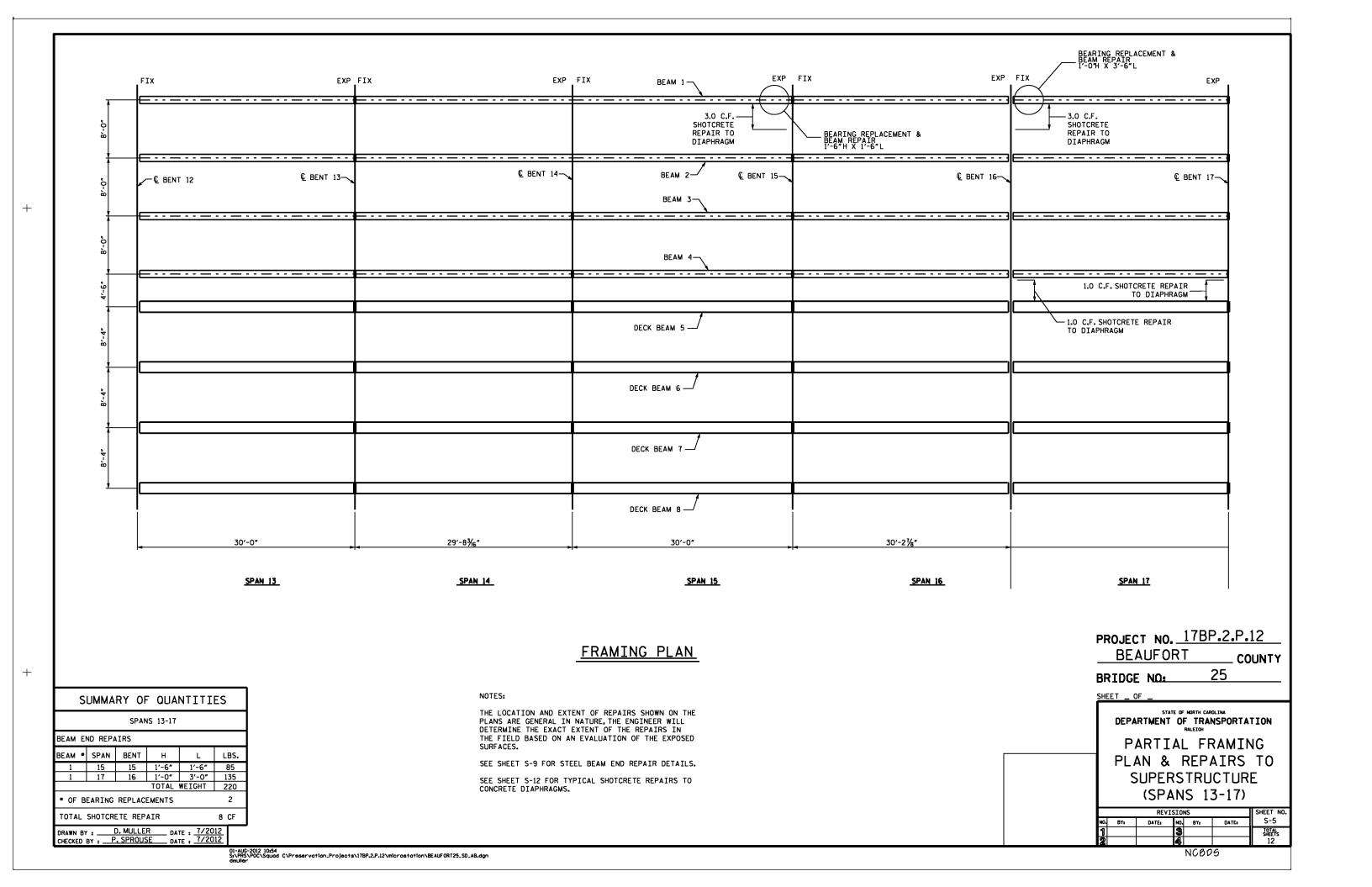
REVISIONS					SHEET NO.	
NO.	BY:	DATE:	NO.	BYs	DATE	S-1
1			3			TOTAL SHEETS
2			4			12

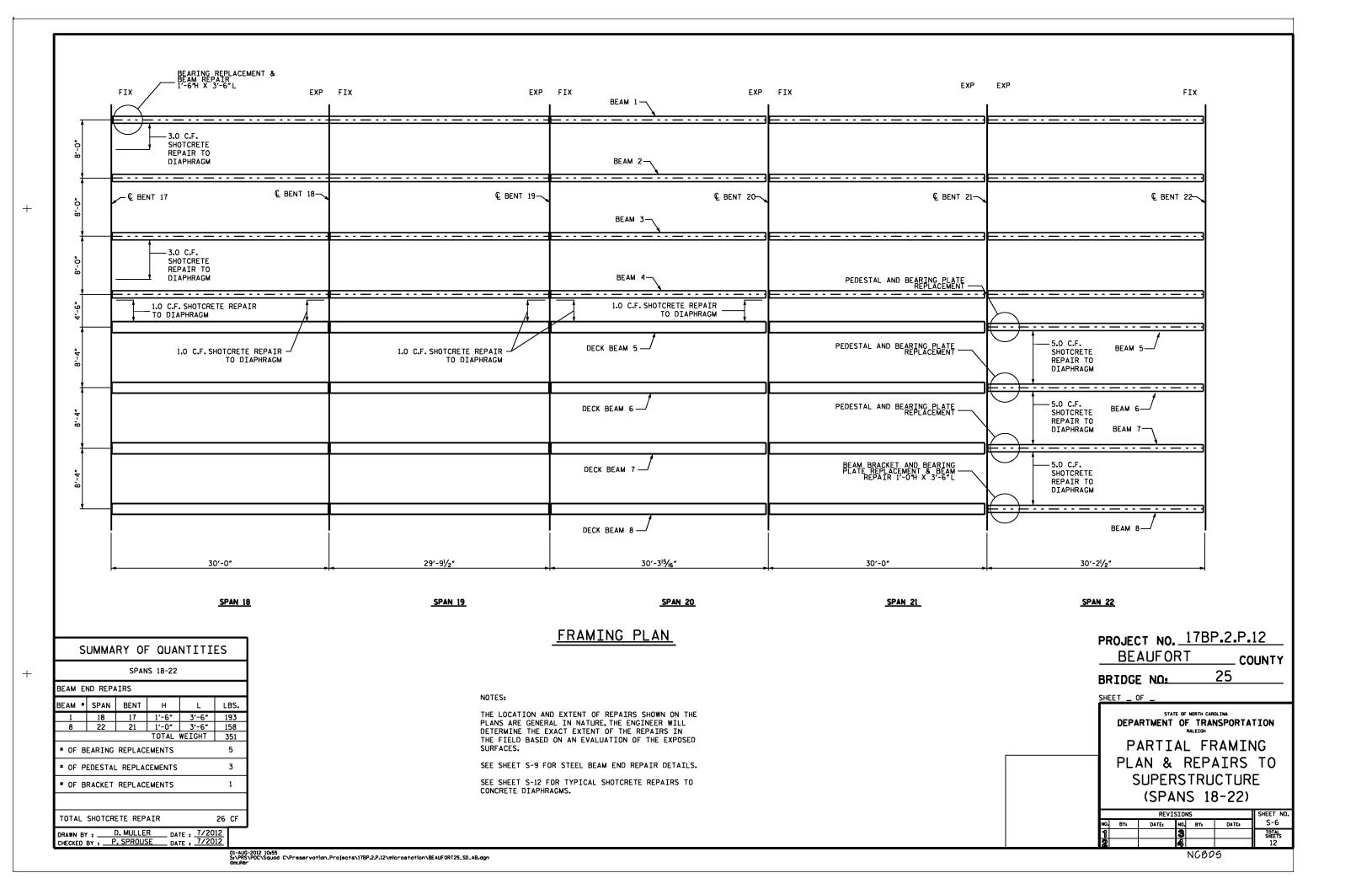
DRAWN BY: D. MULLER OATE: 7/2012 CHECKED BY: P. SROUSE DATE: 7/2012

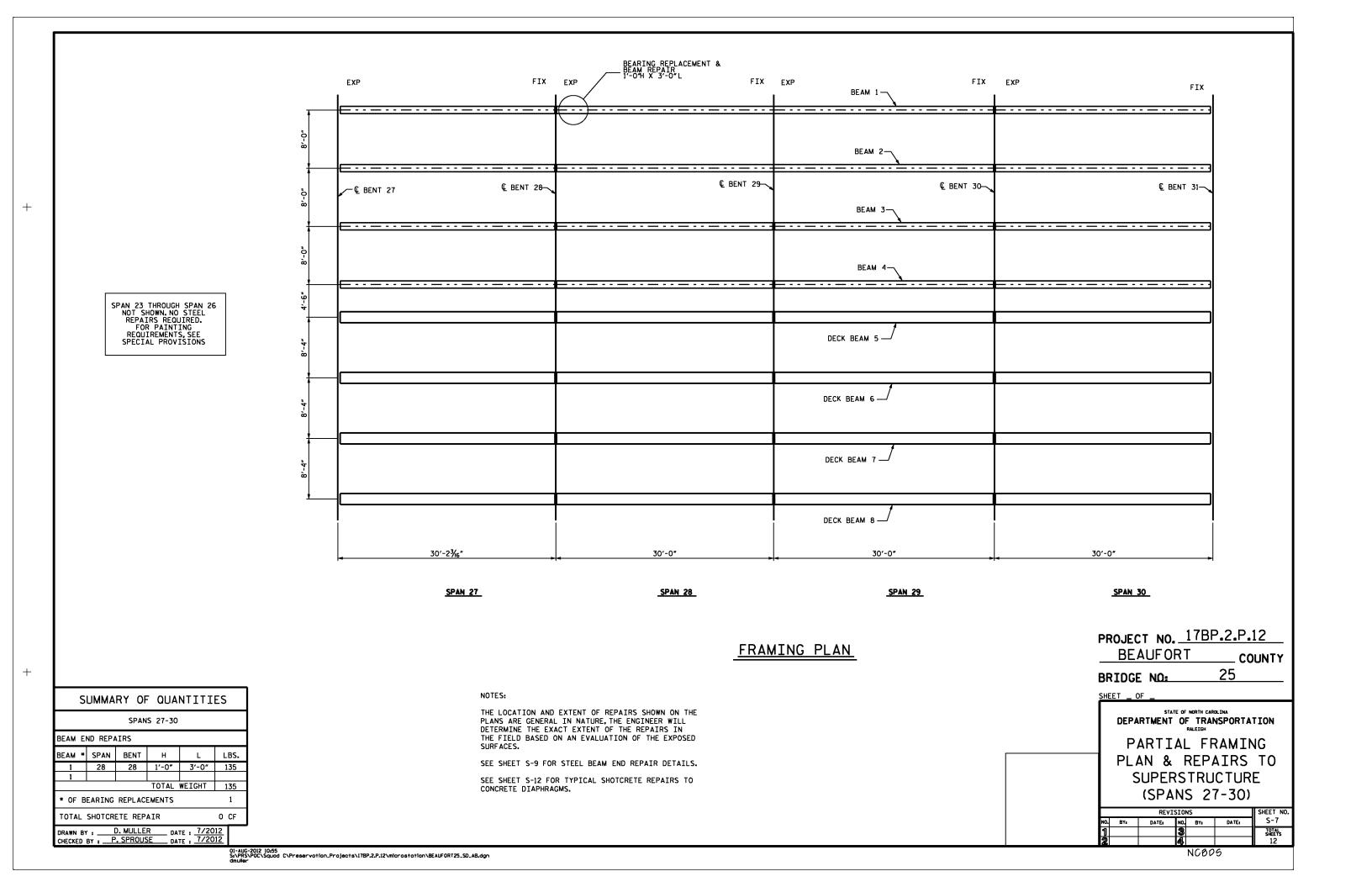


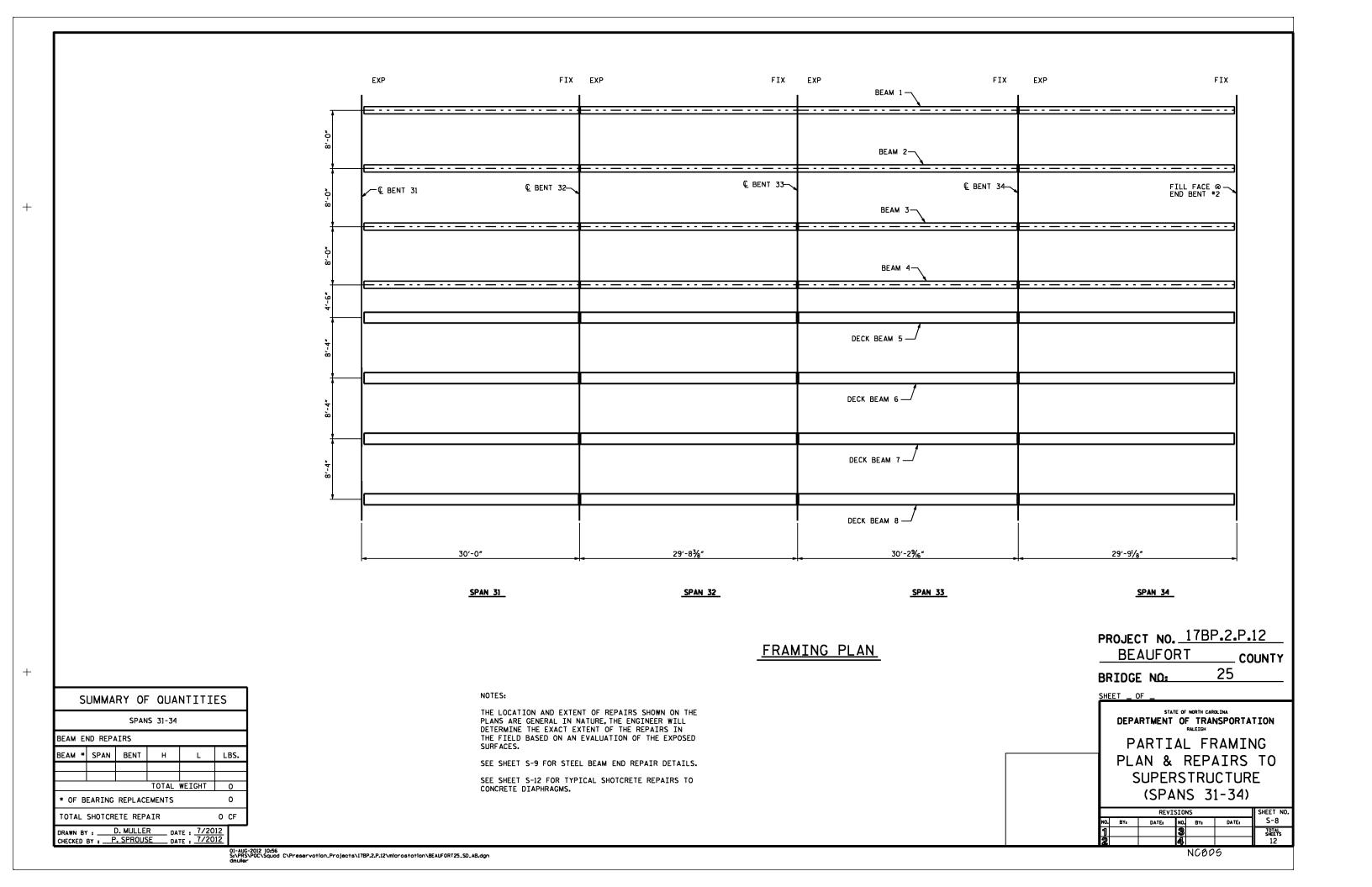


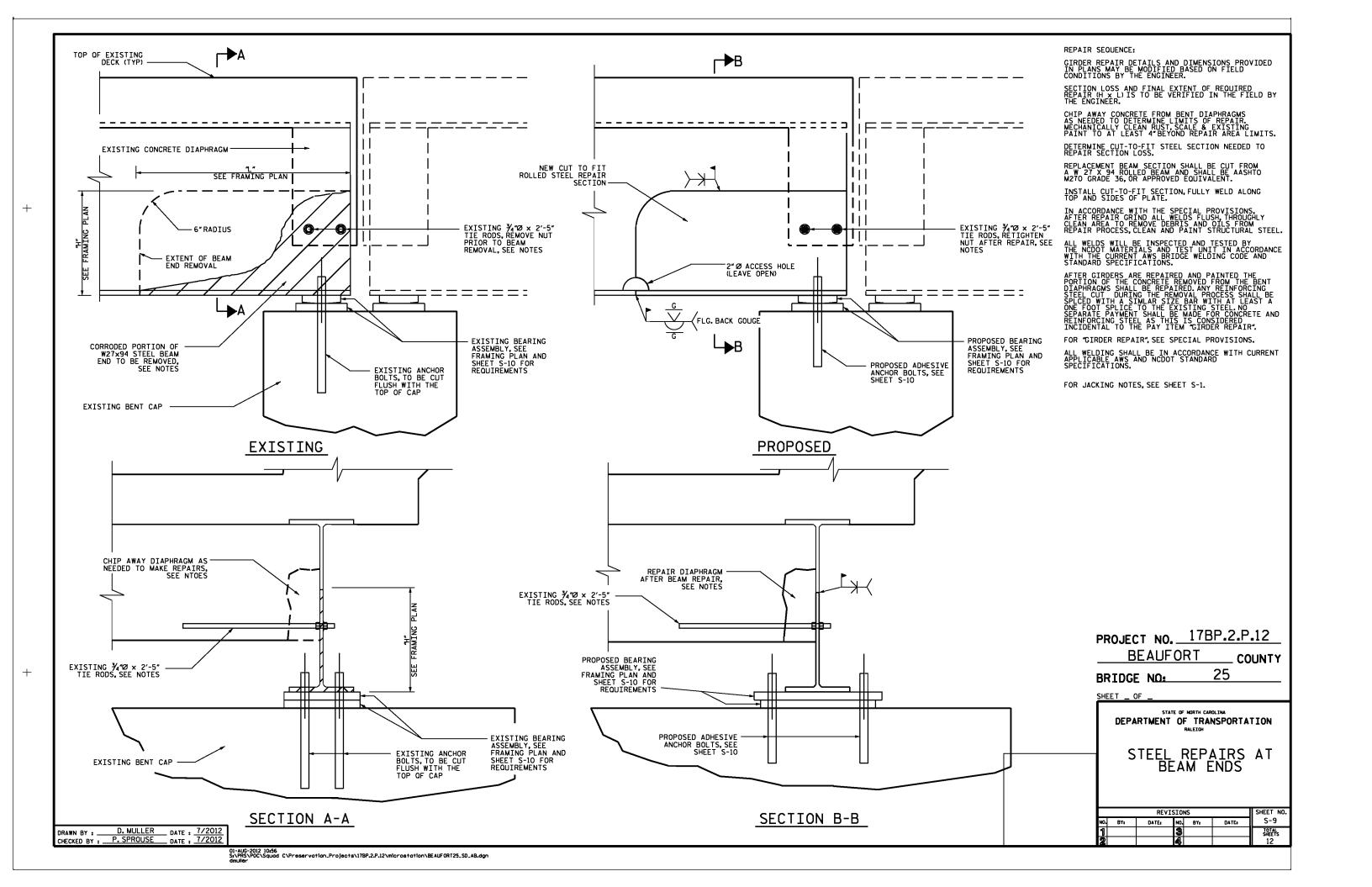


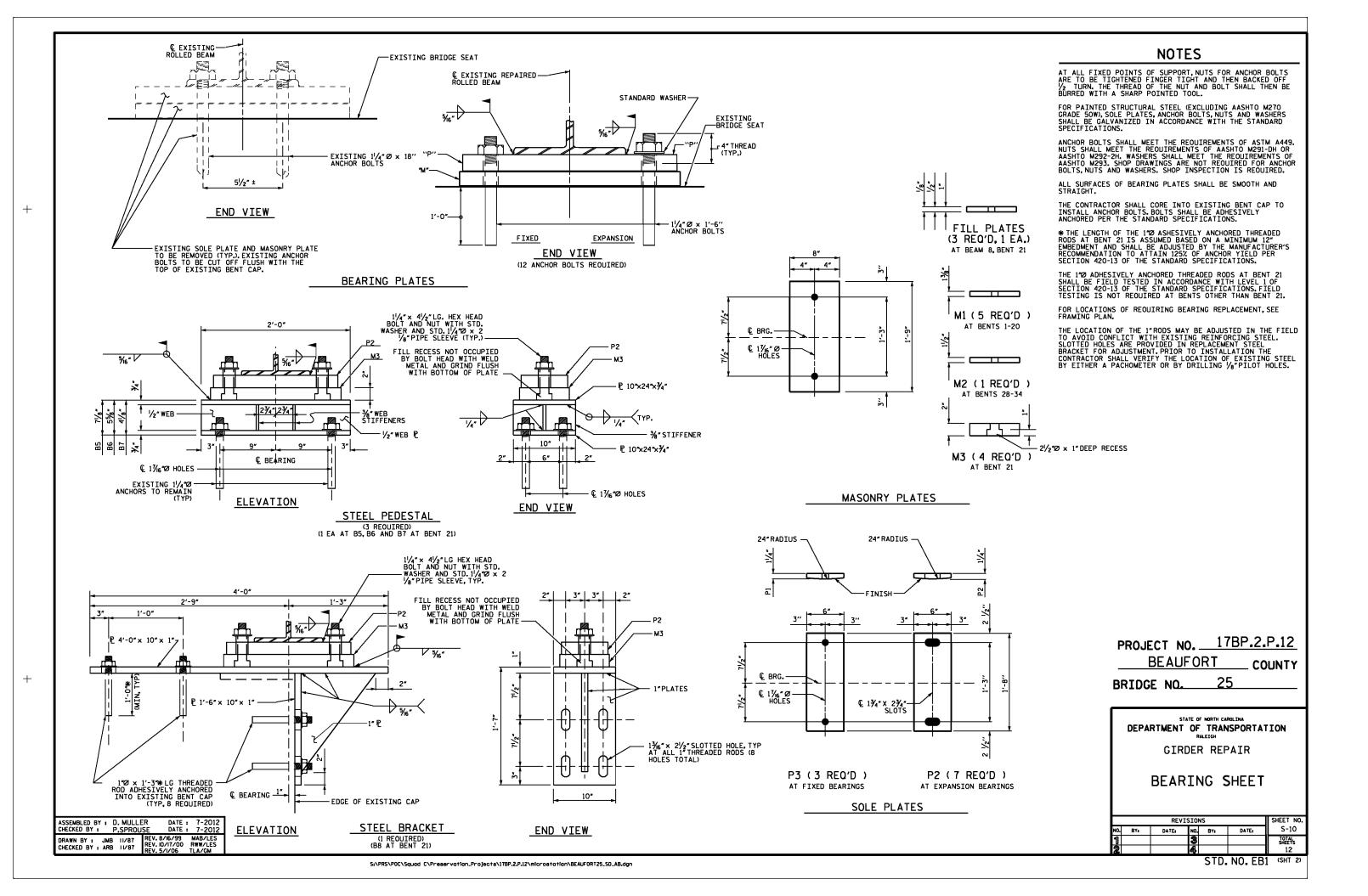


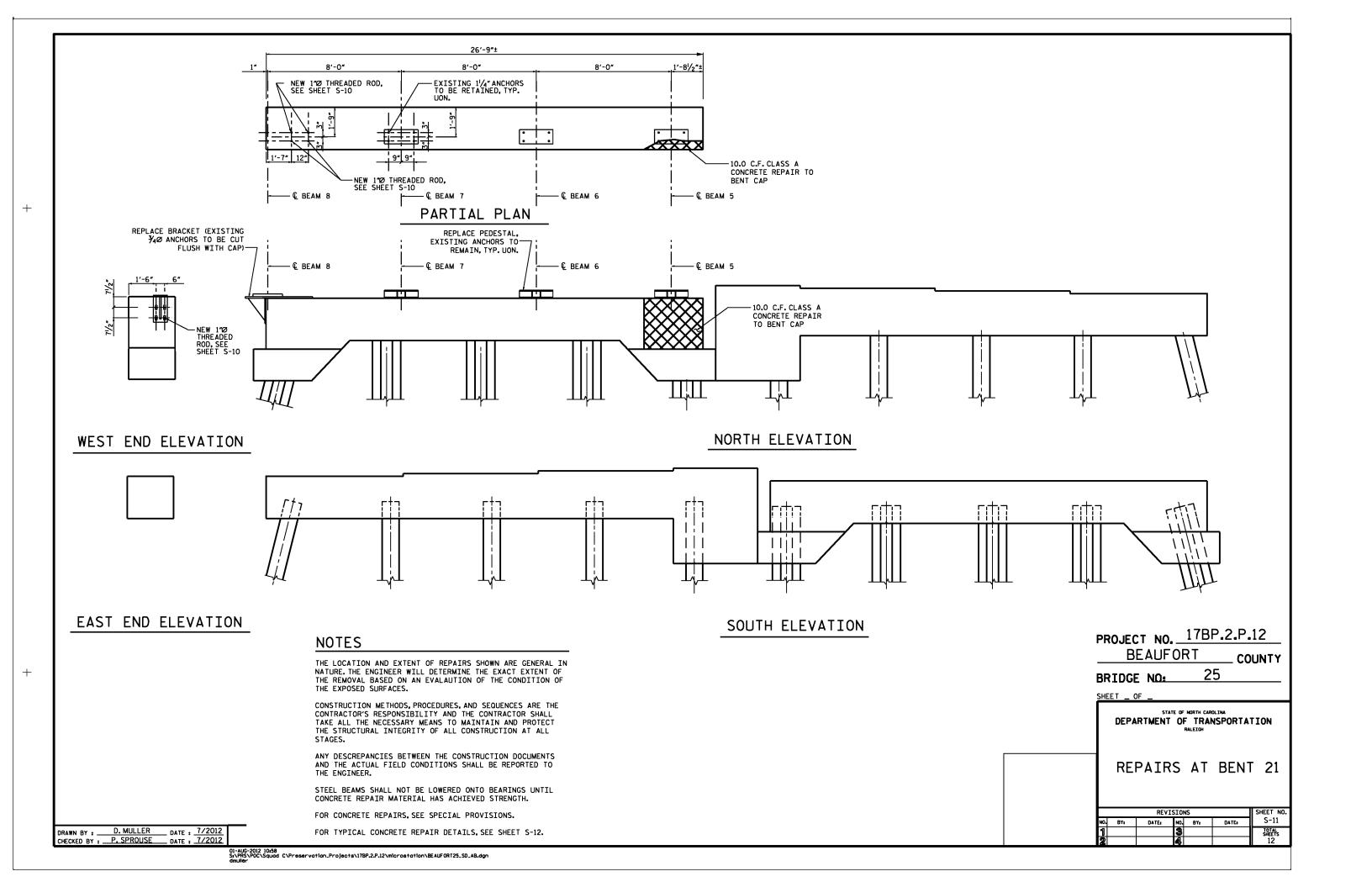












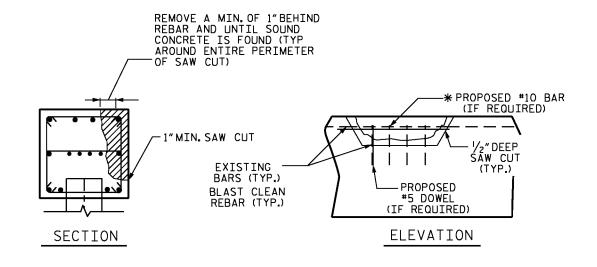
NOTES:

REPAIR AREAS ARE APPROXIMATE

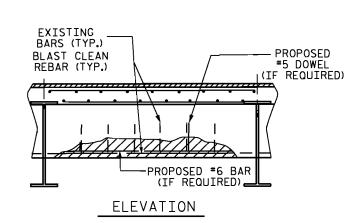
PROPOSED MATERIALS AND METHODS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.

FOR SHOTCRETE & CONCRETE REPAIRS REFER TO SPECIAL PROVISIONS

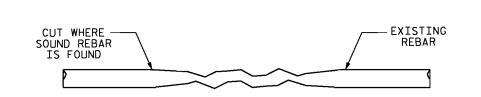
DAMAGED REBAR TO BE REMOVED AND REPLACED SEE "SPLICE DETAILS" AND SPECIAL PROVISIONS FOR SHOTCRETE AND CONCRETE REPAIRS.

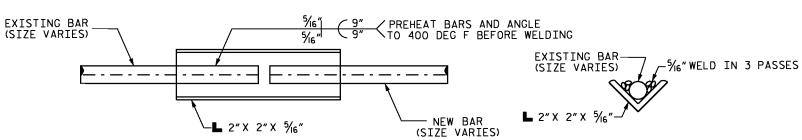


CONCRETE CAP REPAIR DETAIL



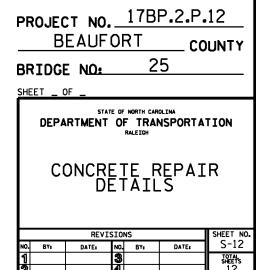
TYPICAL SHOTCRETE DIAPHRAGM REPAIR DETAIL





SPLICE DETAIL

(IF REQUIRED)



NOT TO SCALE

DRAWN BY: D. MULLER
CHECKED BY: P. SPROUSE
DATE: 07/12
DATE: 07/12

REMOVE A MIN. —
OF 1"BEHIND REBAR
AND UNTIL SOUND
CONCRETE IS FOUND

DOI: 10.50 deviles DATE: 01712

SECTION

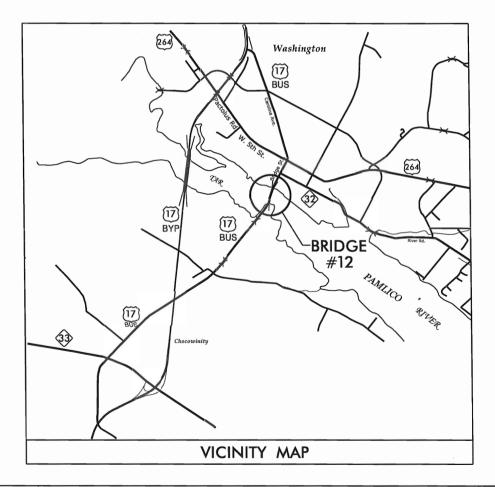
# TRANSPORTATION MANAGEMENT PLAN

# BEAUFORT COUNTY

**DIVISION** 2



BRIDGE #25 - US 17 Business over Tar/Pamlico River





PLAN PREPARED FOR NCDOT STRUCTURES MANAGEMENT UNIT RALEIGH, NC



SHEET NO.

TMP-1 TITLE SHEET AND INDEX OF SHEETS

TITLE

TMP-1A LEGEND AND LIST OF ROADWAY STANDARD DRAWINGS

GENERAL NOTES & PHASING

BRIDGE CLOSURE & DETOUR ROUTE OVERVIEW MAP

NC 33/US 17 BUS SIGNING DURING BRIDGE CLOSURE

BRAGAW LN./US 17 BUS SIGNING DURING BRIDGE CLOSURE

NC 33/US 17 BYP SIGNING DURING BRIDGE CLOSURE

WHICHARDS BEACH RD./US 17 BUS SIGNING DURING BRIDGE CLOSURE

US 17 BUS NB ROAD CLOSURE AT BRIDGE

US 17 BUS SB ROAD CLOSURE AT BRIDGE

US 264/US 17 BUS SIGNING DURING BRIDGE CLOSURE

TMP-11 US 264/US 17 BYP SIGNING DURING BRIDGE CLOSURE

### TRAFFIC MANAGEMENT STRATEGY

PROPOSED BRIDGE WORK WILL BE PERFORMED USING TIME RESTRICTED LANE CLOSURES AND A TIME RESTRICTED ROAD CLOSURE. REFER TO SHEET TMP-2 FOR PHASING.



BETSY L. WATSON, P.E.

TRAFFIC ENGINEER

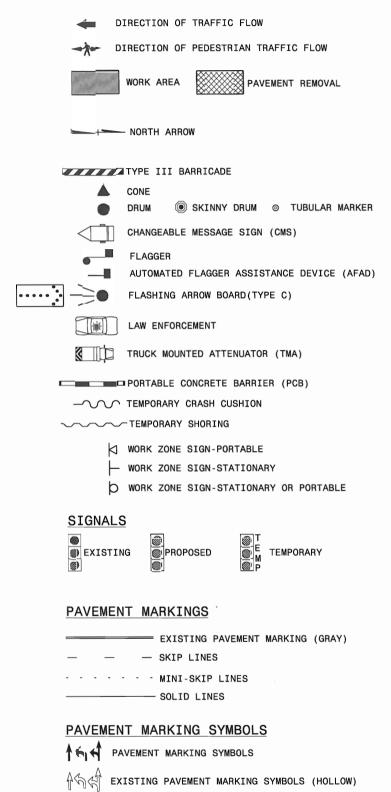
GEORGE KARAGEORGE

TMP-1

APPROVED COOL SEAL

SR. TRANSPORTATION DESIGNER

### **LEGEND**



ONLY PAVEMENT MARKING ALPHANUMERIC CHARACTERS

PAVEMENT MARKERS

CRYSTAL/CRYSTAL

YELLOW/YELLOW

CRYSTAL/RED

PROJ. REFERENCE NO.	SHEET NO.	
17BP.2.P.12	TMP-1A	

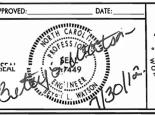
### ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION



Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-8866 Fax. (919) 851-7024





**LEGEND** ROADWAY STANDARD DRAWINGS

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

### LANE CLOSURE TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES ON US 17 BUSINESS AS FOLLOWS:

### DAY AND TIME LANE CLOSURE RESTRICTIONS

FROM MARCH 1 THRU OCTOBER 15 6:00 A.M.-9:00 A.M. & 4:00 P.M.-7:00 P.M. MONDAY-THURSDAY AND 6:00 A.M. FRIDAY - 7:00 P.M. SUNDAY

FROM OCTOBER 16 THRU FEBRUARY 28 6:00 A.M. FRIDAY - 7:00 P.M. SUNDAY

B) DO NOT CLOSE OR NARROW A LANE OF TRAFFIC, DETAIN AND/OR ALTER THE TRAFFIC FLOW ON OR DURING HOLIDAYS, HOLIDAY WEEKENDS, OR ANY OTHER TIME WHEN TRAFFIC IS UNUSUALLY HEAVY, INCLUDING THE FOLLOWING SCHEDULES:

ROAD NAME US 17 BUSINESS

### HOLIDAY & HOLIDAY WEEKEND LANE CLOSURE TIME RESTRICTIONS

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- C) DO NOT CLOSE US 17 BUSINESS DURING THE FOLLOWING TIMES:

ONE ROAD CLOSURE PERIOD OF SEVEN (7) CONSECUTIVE CALENDAR DAYS WILL BE ALLOWED IN ORDER TO PERFORM REPAIRS TO THE SUPERSTRUCTURE AND SUBSTRUCTURE AT BENT #21. THE ROAD CLOSURE SHALL ADHERE TO THE FOLLOWING DAY AND TIME RESTRICTIONS:

US 17 BUSINESS DAY AND TIME ROAD CLOSURE RESTRICTIONS

DO NOT CLOSE US 17 BUSINESS BRIDGE #25 FROM 6:00 A.M. THE FRIDAY BEFORE MEMORIAL DAY TO 11:00 P.M. THE TUESDAY AFTER LABOR DAY.

### LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) LANE CLOSURES ARE REQUIRED WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN ANY PORTION OF A TRAVEL LANE. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- E) INSTALL ALL LANE CLOSURES ACCORDING TO THE PLANS, ROADWAY STANDARD DRAWINGS (1101.02), OR AS DIRECTED BY THE ENGINEER.
- F) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER. COVER OR LAY DOWN SIGNS, AND TURN OFF ARROW BOARDS AND MESSAGE BOARDS.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

### ROAD CLOSURES

- I) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY ROAD CLOSURE.
- J) FURNISH AND INSTALL SIGNING AND DEVICES FOR ROAD CLOSURES ACCORDING TO THE TRAFFIC MANAGEMENT PLAN. COVER OR REMOVE ALL SIGNS AND DEVICES FOR ROAD CLOSURES WHEN NOT IN EFFECT.
- K) FURNISH AND INSTALL OFFSITE-DETOUR ROUTE SIGNING AS SHOWN IN THE TRAFFIC MANAGEMENT PLAN. COVER OR REMOVE OFFSITE-DETOUR SIGNING WHEN THE DETOUR IS NOT IN OPERATION, UNLESS OTHERWISE ALLOWED BY THE ENGINEER. ALL DETOUR ROUTES MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTING.
- L) WHEN CLOSING A ROADWAY OR DRIVEWAY PLACE TYPE III BARRICADES
  COMPLETELY ACROSS THE ROADWAY OR FROM CURB TO CURB. ATTACH BARRICADE
  MOUNTED "ROAD CLOSED" SIGN R11-2 AT ALL CLOSURE LOCATIONS. IF LOCAL
  TRAFFIC IS TO BE MAINTAINED STAGGER THE BARRICADES TO ALLOW ACCESS.
- M) INSTALL SIGNS BEFORE BARRICADES WHEN CLOSING A ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING A ROADWAY TO TRAFFIC. INSTALL/REMOVE ROAD CLOSURE SIGNS AND BARRICADES IN A CONTINUOUS OPERATION AND WITHIN THE SAME CALENDAR DAY.

### MISCELLANEOUS

- N) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- O) CHANGEABLE MESSAGE SIGN MESSAGES SHOWN ARE EXAMPLES. OTHER
  MESSAGES MAY BE USED AS CONDITIONS WARRANT. ALL MESSAGES AND
  LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INCORPORATING.
- P) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

### PHASING

FOR LANE CLOSURES REFER TO ROADWAY STANDARD DRAWING 1101.02, SHEET 4. DO NOT INSTALL SIMULTANEOUS LANE CLOSURES ON BOTH SIDES OF US 17 BUSINESS, UNLESS ALLOWED BY THE ENGINEER.

FOR ROAD CLOSURE AND OFF-SITE DETOUR FOR BRIDGE #25 REFER TO SHEETS TMP 3-11.

Stantec Consulting Servi 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-8866 Fax. (919) 851-7024 www.stantec.com License No. F-0672





GENERAL NOTES & PHASING

